

# SYSTEM AND METHOD FOR ELIMINATING SYNCHRONIZATION ERRORS IN ELECTRONIC AUDIOVISUAL TRANSMISSIONS AND PRESENTATIONS

## ABSTRACT

A system and method for eliminating synchronization errors using speech recognition. Using separate audio and visual speech recognition techniques, the inventive system and method identifies visemes, or visual cues which are indicative of articulatory type, in the video content, and identifies phones and their articulatory types in the audio content. Once the two recognition techniques have been applied, the outputs are compared to determine the relative alignment and, if not aligned, a synchronization algorithm is applied to time-adjust one or both of the audio and the visual streams in order to achieve synchronization.